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MONTANA OIL AND GAS STATISTICAL BULLETIN

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JOHN H. RISKEN, Attorney

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E. L. ANDERSON, Box 317, Cut Bank, Mont.
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THE OIL AND GAS CONSERVATION COMMISSION

VOL. IV. No. 12 McKEE PRINT. December, 1956

Production of crude oil and condensate from the oil and gas areas of Montana for the month of December, 1956, averaged 68,598 barrels daily, an increase of 2,879 barrels from the average November production of 65,719.

The ten refineries in the State processed 62,487 barrels of crude oil daily for the month of December, 1956, a decrease of 6,407 barrels daily from the 68,894 barrels processed daily during the month of November.

During December, 42 wells were completed, 15 oil, 1 gas well and 26 dry holes.

During December, 1956, the Commission issued 23 permits to drill new wells, a decrease of 20 from the 43 permits ussed during November.

SUMMARY OF CRUDE OIL PRODUCTION, REFINING, STORAGE, ETC., IN MONTANA

MONTH OF DECEMBER, 1956

IN STORAGE DECEMBER 1st:	
By Producers	323,744
By Transporters	657,645
By Refiners	675,986
TOTAL STORAGE	1,657,375
Produced in Montana During Month	2,126,550
Imported During Month	1,198,344
TOTALS	4,982,269
DISPOSITION:	
Refined in Montana	1,937,071
Exported	1,277,685
Used for Fuel or Lost	55,655
TOTALS	3,270,411
IN STORAGE DECEMBER 31st:	
By Producers	324,681
By Transporters	618,681
By Refiners	768,496
TOTAL STORAGE	1,711,858

NATURAL GAS WITHDRAWALS IN MONTANA

Month of December, 1956

Field	M Cu. Ft.
Bears Den	0
Big Coulee	5,499
Bowdoin	293,565
Bowes	93,951
Box Elder	0
Cedar Creek	573,454
Cut Bank (Including Reagan)	1,643,445
Devon	0
Dry Creek	232,829
Elk Basin	35,785
Flat Coulee	67,800
Golden Dome	7,645
Hardin	4,281
Keith Block	247,483
Kevin-Sunburst	143,330
Plevna	19,521
Utopia	99,478
Whitlash	174,860
Miscellaneous	22,454
TOTAL	3,665,380

Total Withdrawals for December, 1955, were 4,541,313 M Cu. Ft.

PRODUCER'S REPORT

MONTH OF DECEMBER, 1956

Leases Operated	Field	No. of Wells	Storage First of Month	Oil Produced	Oil Shipped by Pipeline	Oil Shipped by Truck	Used or Lost	Storage End of Month
1	Ash Creek	4	1,105	3,377	.....	3,746	.....	736
....	Bannatyne	.....	.....	.....	.....	.....	.....	.....
9	Big Wall	25	3,252	23,590	.....	22,326	.....	4,516
3	Border	5	.....	621	.....	621	.....	.....
11	Bowes	75	3,844	26,935	26,852	.....	.....	3,927
....	Brady-Midway	.....	.....	.....	.....	.....	.....	.....
7	Bredette	7	12,676	21,073	22,724	.....	.....	11,025
2	Brorson	3	1,240	2,735	2,592	.....	14	1,369
....	Bynum	.....	119	.....	.....	.....	.....	119
2	Cabin Creek	33	9,463	189,632	185,090	.....	4,803	9,202
28	Cat Creek	90	4,544	13,424	13,329	.....	.....	4,639
3	Clark's Fork	3	3,237	16,531	.....	16,703	.....	3,065
2	Cupton	2	1,292	2,337	2,421	.....	6	1,202
332	Cut Bank	1,113	113,185	223,453	221,115	.....	341	115,182
3	Deer Creek	5	1,639	10,237	10,128	.....	.....	1,748
....	Devil's Basin	.....	484	.....	.....	.....	.....	484
6	Dry Creek	6	1,831	8,844	9,414	.....	.....	1,261
20	Elk Basin	58	13,181	227,702	229,225	.....	.....	11,658
3	Fertile Prairie	3	1,363	2,307	.....	2,416	.....	1,254
2	Frannie	2	578	968	1,065	.....	.....	481
1	Gage	1	392	177	.....	.....	.....	569
2	Gas City	11	5,707	38,962	38,350	.....	.....	6.319
7	Glendive	13	4,980	41,965	43,635	.....	.....	3,310
....	Golden Dome	.....	378	.....	.....	.....	.....	378
4	Ivanhoe	10	3,741	32,147	.....	32,099	.....	3,789
206	Kevin-Sunburst	1,381	15,472	83,284	84,313	.....	118	14,325
1	Lake Basin	1	247	76	.....	126	.....	197
1	Little Beaver	6	2,378	20,933	21,568	.....	.....	1,743
2	East Little Beaver	2	1,654	954	1,517	.....	.....	1,091
3	Melstone	5	2,073	5,386	.....	4,764	.....	2,695
....	Mosser	.....	2,073	.....	.....	.....	.....	2.073
1	Outlook Area	1	.....	2,751	.....	175	.....	2,576
7	Pennel	15	4,856	47,912	45,918	.....	655	6,195
4	Pine	93	17,691	382,167	375,088	.....	7,364	17,406
70	Pondera	323	8,249	53,469	52,629	.....	.....	9,089
87	East Poplar	92	29,860	401,322	366,698	36,278	106	28,100
4	Northwest Poplar	5	1,664	2,216	.....	2,092	.....	1,788
4	Ragged Point	5	1,286	5,067	.....	5,073	22	1,258
....	Rattlesnake Butte	.....	399	.....	.....	.....	.....	399
4	Reagan	43	2,835	18,734	18,743	.....	.....	2,826
1	Repeat	1	164	2,254	1,796	.....	.....	622
4	Richey	8	3,751	11,386	11,553	.....	43	3,541
....	Rudyard	.....	35	.....	.....	.....	.....	35
2	Snyder	4	1,224	2,948	.....	3,509	.....	663
5	Soap Creek	19	7,149	17,013	.....	17,665	.....	6,497
1	Southwest Richey	3	1,671	5,994	6,843	.....	.....	822
18	Sumatra	57	14,984	111,792	102,870	5,454	.....	18,452
3	Sweetgrass Hills	3	848	427	.....	525	.....	750
....	Utopia	.....	196	.....	.....	164	30	2
11	Whitlash	26	7,098	10,952	9,408	1,889	.....	6,753
1	Wibaux	1	184	18	.....	.....	.....	202
8	Wolf Springs	19	6,582	49,391	40,080	8,278	.....	7,615
1	Woodrow	1	128	2,593	2,256	.....	.....	465
1	Yellowstone	1	762	494	.....	988	.....	268
898		3,584	323,744	2,126,550	1,947,220	164,891	13,502	324,681

Total Oil Produced and Shipped from Leases	Bbls. Produced	Daily Average	Bbls. Shipped	Daily Average
Year, 1955	15,654,426	42,889	15,526,471	42,538
First Quarter, 1956	5,069,931	55,714	5,037,112	55,353
Second Quarter, 1956	5,271,571	57,929	5,213,932	57,296
Third Quarter, 1956	5,470,682	59,463	5,425,391	58,971
October, 1956	1,855,832	59,865	1,848,329	59,623
November, 1956	1,971,591	65,719	1,948,699	64,956
December, 1956	2,126,550	68,598	2,112,111	68,133

Oil in Storage	In Producers Field Tanks	In Transporters Storage	In Refiners Storage*	Total Oil in Storage
December 31, 1956	298,039	575,486	575,324	1,448,849
March 31, 1956	289,876	576,594	500,893	1,367,363
June 30, 1956	309,591	595,066	548,755	1,453,412
September 30, 1956	319,641	597,923	688,796	1,606,360
October 31, 1956	318,230	591,383	788,597	1,698,210
November 30, 1956	323,744	657,645	675,986	1,657,375
December 31, 1956	324,681	618,681	768,496	1,711,858

*Includes Wyoming Oil.

TRANSPORTER'S REPORT
MONTH OF DECEMBER, 1956

	Storage First of Month	OIL RECEIVED BY			Loss or Gain	OIL SHIPPED TO			Storage End of Month
		Pipeline	Truck	Connecting Carrier		Montana	Other States	Connecting Carrier	
ASH CREEK—Trucks			3,746				3,746		
BIG WALL—Trucks			22,326			15,520	6,806		
BORDER—Trucks			621			621			
BOWES—									
Trigood Oil Company	5,272	6,134			12		8,291		3,103
The Texas Company		20,718				20,718			
	5,272	26,852			12	20,718	8,291		3,103
BRORSON—Sun Oil Company		2,592					2,592		
CABIN CREEK AND OTHERS*—									
Butte Pipe Line Company	303,371	618,803		508,786	(12)		1,118,137		312,835
Shell Pipeline Corp.	3,048	71,834			(372)			71,821‡	3,433
	306,419	690,637		508,786	(384)		1,118,137	71,821	316,268
CAT CREEK—									
Continental Pipeline Co.	6,206	8,986			169	10,111			4,912
Wm. Hamlon		4,343				4,343			
	6,206	13,329			169	14,454			4,912
CLARK'S FORK—Trucks			16,703			14,812	1,891		
CUT BANK—									
Big West Oil Company		5,556		19,243		24,799			
Darling Gathering System, Inc.	5,258	17,087			265	18,455			3,625
Phillips Petroleum Company	18,748	41,421			537	15,994		25,498	18,140
The Texas Pipeline Company	83,474	53,124		71,525	27,390	55,554		25,527	99,652
Toronto Pipeline Company	31,532	57,829			47			71,437	17,877
Union Oil Company	107,972	44,008		31,694	5,994	102,936			74,744
	246,984	219,025		122,462	34,233	217,738		122,462	214,038
DRY CREEK—Ohio Oil Company	7,775	9,676			80	9,295			8,076
ELK BASIN—Ohio Oil Company		229,925				163,379	66,546		
FERTILE PRAIRIE—Trucks			2,416				2,416		
FRANNIE—Ohio Oil Company		1,065					1,065		
GLENDIVE, DEER CREEK and WOODROW—									
The Texas Pipeline Company	8,222	55,392			221			52,013‡	11,380
IVANHOE—Trucks			32,099			28,763	3,336		
KEVIN-SUNBURST									
Big West Oil Company	2,049	37,437				37,393			2,093
Homestake Oil & Gas Company		3,662			(511)	3,611			562
The Texas Pipeline Company	7,826	40,290		1,677	351	41,496			7,946
Anna Aronow	178	1,684						1,677	185
	10,053	83,073		1,677	(160)	82,500		1,677	10,786
LAKE BASIN—Trucks			126			126			
MELSTONE—Trucks	502		4,764			5,266			
OUTLOOK AREA			175				175		
PONDERA—									
Phillips Petroleum Company	14,022	52,631			2,269	54,876			9,508
POPLAR and BREDETTE—									
East Poplar Gathering System	25,105	389,422			(1,257)		14,726	384,952‡	16,106
Trucks			38,370				38,370		
	25,105	389,422	38,370		(1,257)		53,096	384,952	16,106
RAGGED POINT—Trucks	683		5,073			5,756			
REAGAN—Union Oil Company		18,743				18,743			
SNYDER—Trucks			3,509			572	2,937		
SOAP CREEK—Trucks			17,665			14,778	2,887		
SUMATRA—									
Powder River Pipeline, Inc.	19,107	102,870			515	103,628			17,834
Trucks			5,454			1,690	3,764		
	19,107	102,870	5,454		515	105,318	3,764		17,834
SWEETGRASS HILLS—Trucks			525			525			
UTOPIA—Trucks			164			164			
WHITLASH—									
Homestake Oil & Gas Company	1,996	547		9,016	951	10,608			
Western Natural Gas Company	367	8,361						9,016	212
Trucks			1,889			1,889			
	2,363	9,408	1,889	9,016	951	12,497		9,016	212
WOLF SPRINGS—									
Powder River Pipe Line Co.	4,932	40,080			201	38,353			6,458
Trucks			8,278			8,278			
	4,932	40,080	8,278		201	46,631			6,458
YELLOWSTONE—Trucks			988			988			
TOTALS	657,645	1,944,720	164,891	641,941	36,850	834,040	1,277,685	641,941	618,681

*Cabin Creek, Cupton, Gas City, Little Beaver, East Little Beaver, Pennel, Pine, Repeat, Richey and Southwest Richey Fields.
‡Transferred to Butte Pipe Line Co.

BARRELS OF CRUDE OIL REFINED IN MONTANA
MONTH OF DECEMBER, 1956

Fields	Big West Oil Co.	Carter Oil Co.	Continental Oil Co.	Diamond Asph. Co.	Farmers Union	Jet Fuel Refinery	Phil. Petr. Co.	The Texas Co.	Texas Calgary Co.	Union Oil Co.	Total by Fields
Big Wall	.....	.....	.....	.....	16,198	.....	.....	.....	.....	.....	16,198
Border	.....	.....	.....	.....	.....	.....	.....	600	.....	.....	600
Bowes	.....	.....	.....	15,378	.....	.....	.....	.....	.....	.....	15,378
Cat Creek	.....	.....	9,794	.....	.....	3,686	.....	.....	.....	.....	13,480
Clark's Fork	.....	.....	.....	.....	15,490	.....	.....	.....	.....	.....	15,490
Cut Bank	24,800	.....	.....	.....	.....	.....	15,673	94,580	.....	94,232	229,285
Dry Creek	.....	.....	.....	.....	8,870	.....	.....	.....	.....	.....	8,870
Elk Basin	.....	114,022	49,357	.....	.....	.....	.....	.....	.....	.....	163,379
Ivanhoe	.....	.....	.....	.....	6,775	.....	.....	.....	.....	22,327	29,102
Kevin-Sunburst	36,767	.....	.....	.....	.....	.....	.....	19,672	.....	.....	56,439
Lake Basin	.....	.....	.....	.....	283	.....	.....	.....	.....	.....	283
Melstone	.....	.....	.....	.....	.....	6,507	.....	.....	.....	.....	6,507
Pondera	.....	.....	.....	.....	.....	.....	56,138	.....	.....	.....	56,138
Ragged Point	.....	.....	.....	.....	4,654	490	.....	.....	.....	.....	5,144
Reagan	.....	.....	.....	.....	.....	.....	.....	.....	.....	18,743	18,743
Snyder	.....	.....	.....	.....	.....	.....	.....	.....	572	.....	572
Soap Creek	.....	.....	.....	.....	.....	.....	.....	.....	18,125	.....	18,125
Sumatra	.....	.....	.....	.....	109,877	.....	.....	.....	.....	.....	109,877
Sweetgrass Hills	225	.....	.....	.....	.....	.....	.....	.....	.....	.....	225
Utopia	.....	.....	.....	.....	.....	.....	.....	164	.....	.....	164
Whitlash	.....	.....	.....	.....	.....	.....	.....	5,844	.....	1,890	7,734
Wolf Springs	.....	43,531	.....	.....	.....	.....	9,476	.....	.....	.....	53,007
Yellowstone	.....	.....	.....	.....	981	.....	.....	.....	.....	.....	981
Total Montana Oil	61,792	157,553	59,151	15,378	163,128	10,683	81,287	120,860	18,697	137,192	825,721
Canadian Oil Imported	.....	.....	.....	3,700	.....	.....	2,412	.....	.....	2,681	8,793
Wyoming Oil Imported	.....	489,567	278,736	.....	332,304	1,950	.....	.....	.....	.....	1,102,557
TOTAL Montana, Canadian and Wyoming Oil	61,792	647,120	337,887	19,078	495,432	12,633	83,699	120,860	18,697	139,873	1,937,071

AVERAGE BARRELS PER DAY

	Montana	Canada	South Dakota	Wyoming	TOTAL
Year, 1955	27,008	.....	35	30,714	57,757
December, 1955	24,422	.....	.....	40,732	65,154
December, 1956	26,636	284	.....	35,567	62,487

PERCENTAGE OF CRUDE OIL REFINED

Montana	Canada	South Dakota	Wyoming
46.76%	.....	.06%	53.18%
37.48%	.....	.....	62.52%
42.62%	.46%	.....	56.92%